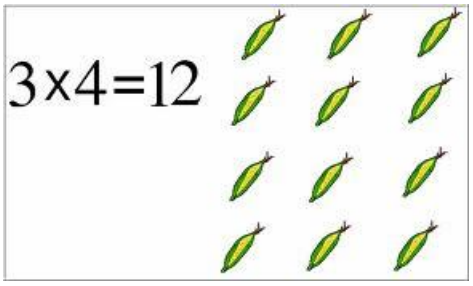
“Arrays All Around Us
Arrays and Mulitiplication”



Math/Visual Art Grade 3
Core Concept/Visual Art Integration

Objective: Students will create different sized multiplication arrays.

3 Grade Core Curriculum Math Standard
Geometric measurement: understand concepts of area and relate area to multiplication and to addition.

Visual Art: Contextualizing Standard 4
The student will interpret and apply visual arts in relation to cultures, history, and all learning. In this standard the student will place their artwork and the artworks of others within the context of civilization, other areas of learning, and life skills.

Equipment and Materials needed:

Amanda Bean’s Amazing Dream by Cindy Neuschwander
Art paper
Crayons, colored pencils, markers
Rulers

Procedures:

Read the book, Amanda Bean’s Amazing Dream. Discuss with your class how you can find multiplication all around you, in arrays or just in equal groups. Find some examples in the book. Find some examples in your classroom. (examples: floor or ceiling tiles, desks arranged in rows and columns, or in equal groups, a hundreds chart, etc)

Invite the students to draw a scene showing as many different examples of arrays or equal groups. Talk about how for the arrays, they may want to use a ruler to make sure the lines are straight. You can require them to have at least 5 examples or just leave it up to them. Ask them to color it like the scenes in Amanda Bean’s Amazing Dream, neatly and with bright colors.

Then, on the back, the students will write down all the multiplication sentences that go with their arrays and groups.

Post the pictures around the room. Number each picture. The students will walk around with a clipboard and pencil and try to name as many multiplication sentences as they can from each picture. Then each student will present their picture and tell everyone which math sentences can be found in their picture, and each student will see if they found them all.